Class Tasks 4.21 Student Worksheet

Lesson 4.21 Principles of Logic Applied to Program Design Activities

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Question 21.1 – Mathematical logic

Question 1

For the following statements, identify which is the premise and which is the inference?

Statement	Premise or Inference?
The Sky is Blue	
All clouds are blue	
Clouds are in the sky	

Statement	Premise or Inference?
Football is a sport	
All sports are fun	
Football is fun	

Statement	Premise or Inference?
The earth is a sphere	
Round objects are spheres	
The earth is round	

Statement	Premise or Inference?
Cars are fast	
Engines go fast	
Cars have engines	

TIME ALLOWED: 5 mins

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Question 21.1 – Mathematical logic

Question 2

For the following statements, identify if the premise and inference is TRUE or FALSE

Statement	True or False?
7 is greater than 5	
7 is less than 10	
7 is between 5 and 10	

Statement	True or False?
8 is less than 3	
20 is greater than 3	
20 is between 3 and 8	

Statement	True or False?
7 is greater than 5	
7 is less than 10	
7 is between 7 and 9	

Statement	True or False?
Customers can get discounts	
Customers buy goods	
All goods have discounts	

TIME ALLOWED: 5 mins

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